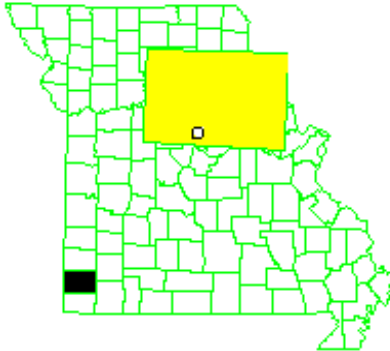


POOLS PRAIRIE
MISSOURI
EPA ID# MO0000958835

EPA Region 7
City: Neosho
County: Newton
Other Names: Neosho Wells



SITE DESCRIPTION

The Pools Prairie site is adjacent to Neosho, Newton County, Missouri, in southwest Missouri. The site was discovered in July 1994 by the Newton County Health Department (NCHD) through a citizen's complaint of gasoline contamination in the family's well located west of Highway 71 on Quince Road, southwest of the Neosho city limits. The complainant suspected gasoline contamination was coming from a truck plaza, located immediately north of the complainant's house.

Site Responsibility:

This site is being addressed through the actions of potentially responsible parties, with oversight by EPA and the Missouri Department of Natural Resources.

NPL LISTING HISTORY

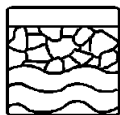
Proposed Date: 01/19/99

Final Date: 09/17/99

Deleted Date:

THREATS AND CONTAMINANTS

In August 1994, subsequent sampling by NCHD and the Missouri Department of



Natural Resources (MDNR) at the truck plaza, the complainant's well, and at the nearby residential wells, determined that there were no leaking tanks at the truck plaza; however, eight volatile organic compounds (VOCs), including trichloroethylene (TCE) and carbon tetrachloride were found in the 10 private wells sampled. The most common VOC found in the wells and at the highest concentrations was TCE. From August to December 1994, MDNR and NCHD continued to sample and resample residential wells in the area of Highway 71 and Quince Road. Additional residential wells were found to contain TCE, with some concentrations found above the TCE maximum contaminant level (MCL) of 5 parts micrograms/liter (ug/L) in the area located along roads HH and TT and near the intersection of Highways 71 and 60.

CLEANUP APPROACH

Response Action Status



Site Studies: Five potential source areas have been identified at the Pools Prairie site for which adequate documentation exists to attribute the VOCs found in ground water to the site. To identify the sources of VOC ground water contamination, EPA and MDNR first investigated the area south of Neosho and later investigated the area known as the former Fort Crowder Military Reservation (Camp Crowder). The five potential sources identified are: Source 1-Engine Testing Area (ETA) at the Rocketdyne Test Site; Source 2-Components Testing Area (CTA) at the Rocketdyne Test Site; Source 2-Components Testing Area (CTA) at the Rocketdyne Test Site; Source 3-Contaminated Soil at the CTA; Source 4-Saberliner Plant (Main Facility); and Source 5-Saberliner 900 Building.

These potential sources were identified because (1) soil samples have been found at all five source areas to contain VOCs (primarily TCE) above background levels; (2) TCE and other VOCs have been associated with sources through use of the compounds as solvents and degreasers, through storage of the solvents at the sites, and through evidence that TCE was deposited directly onto the ground and deposited into storage lagoons with no liners or other Containment structures; (3) VOCs have been found in shallow ground water at four of the five sources in Monitoring wells installed at those sources; and (4) degradation products of TCE, such as vinyl chloride, (cis) 1,2-dichloroethylene [(cis) 1,2-DCE], and 1,1-dichloroethylene (1, 1-DCE) have also been found in ground water and/or soil at the source areas.

Site Facts:

The comprehensive list of associated hazardous substances found at these source areas includes: TCE, vinyl chloride, tetrachloroethene PCE), (cis) 1,2-DCE, 1,1-DCE, 1,1,2,2-tetrachloroethane (1,1,2,2-PCA), 1,1-dichloroethane (1,1 DCA),

1,1,1,-trichloroethane (1,1,1-TCA), 1,1,2-trichloroethane (1,1,2-TCA), methyl isobutyl ketone (MIBK), carbon tetrachloride, carbon disulfide, chloroethane, and chloroform. In addition to the VOCs, two pesticides, Aroclor 1260 and 1254, both polychlorinated biphenyls (PCBs), were found - in soil at Source 1 and Source 2, and in the ground water at Source 2.

ENVIRONMENTAL PROGRESS



In 1998, EPA entered into an agreement with the U.S. Department of Defense, Boeing North American, Sabreliner Corporation and Teledyne Industries to provide whole-house water treatment units at approximately 37 residences. This action was completed in late 2000, after affected residences had been connected to city water service.

In 1998, EPA entered into an agreement with the U.S. Department of Defense, the Missouri Army National Guard, Boeing North American and Teledyne Industries to provide for the construction of water mains and related connections to affected residences at the site. This action was completed in late 2000, resulting in the installation of more than 15 miles of water main and subsequent connection of 233 residences.

In 1998, EPA entered into an agreement with Teledyne Industries and Boeing North American to provide for engineering controls and contaminant containment at the Components Test Area, and to perform an engineering evaluation/cost analysis of cleanup alternatives at the Components Test area. The engineering controls and contaminant containment construction was completed in 1999. From startup through early 2001, approximately 210,000 gallons of contaminated groundwater has been extracted and treated, resulting in an estimated 620 pounds of volatile organic compounds removal. A finalized engineering evaluation/cost analysis is expected in 2001.

In 1999, EPA entered into an agreement with the U.S. Department of Defense and Teledyne Industries to provide for the development of an engineering evaluation/cost analysis of various cleanup alternatives at the Quince Road Area. A draft engineering evaluation/cost analysis has been submitted, and is currently under review by EPA and MDNR.

In 2000, an interim remedial action response was completed at the Engine Test Area, resulting in the extraction of 40,000-60,000 gallons of highly contaminated liquids from the hazardous waste pit.

Investigations are ongoing at the Source 4 area.

SITE REPOSITORY



Neosho/Newton Co. Library
201 W. Spring
Neosho, MO 64850

Superfund Records Center
901 N. 5th St.
Kansas City, KS 66101
Mail Stop SUPR
(913)551-4038

REGIONAL CONTACTS

SITE MANAGER:

Dave Williams

E-MAIL ADDRESS:

Williams.Dave@epa.gov
(913) 551-7625

COMMUNITY INVOLVEMENT

Diane Huffman

COORDINATOR:

PHONE NUMBER:

913-551-7544

PUBLIC INFORMATION CENTER:

E-MAIL ADDRESS:

STATE CONTACT:

Jalal El Jayyousi

PHONE NUMBER:

573-751-3176

MISCELLANEOUS INFORMATION

STATE:

MO

07WT

CONGRESSIONAL DISTRICT:

07

EPA ORGANIZATION:

SFD-

MODIFICATIONS